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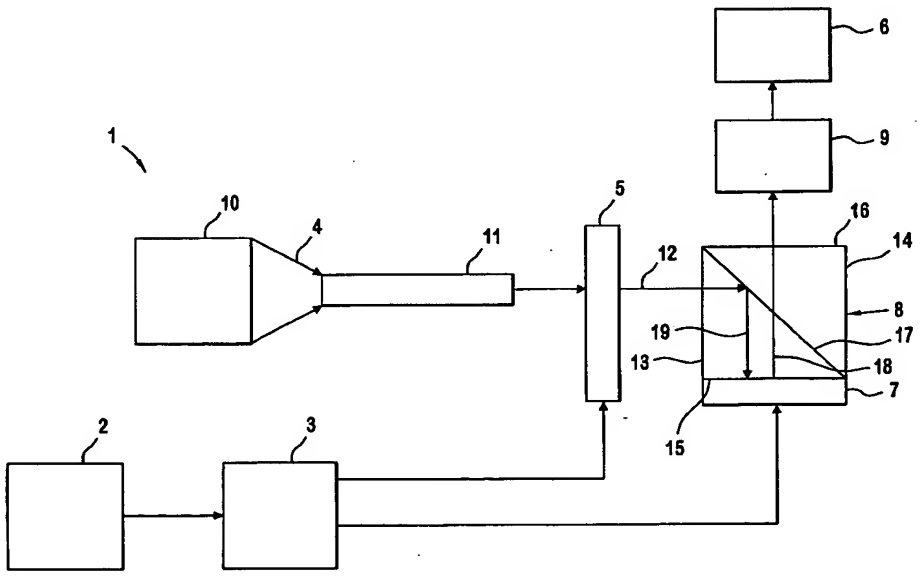
(54) Title: DYNAMIC RANGE AND CONTRAST ENHANCEMENT FOR MICRODISPLAY



(57) Abstract: The invention relates to a light valve system that enhances the contrast ratio for light and dark video images and reduces contouring artifacts. The light valve system comprises a color selection device configured to temporally attenuate component color bands of light to correspond with a video input signal. A first polarizing beam splitter configured to polarize the component color bands into oppositely polarized components, and microdisplay configured to receive at least one of the oppositely polarized components for forming a projected light matrix.

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